

PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION

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Report No. 408 EXPERIMENTAL ACTIONS

The Commission, by its Office of Engineering and Technology, Experimental Licensing Branch, granted the following experimental applications during the period from 10/1/07 to 11/1/07:

- **WE2XIE THE BOEING COMPANY 0044-EX-PL-2007**
New experimental to operate in 0.001-100000 kHz to conduct low level, swept continuous wave tests on production aircraft components.
Fixed & Mobile: Seattle (King), WA; Everett (Snohomish), WA
- **WE2XHZ BAE SYSTEMS INFORMATION AND ELECTRONIC SYSTEMS INTEGRATION INC. 0493-EX-PL-2006**
New experimental to operate in 9.38-9.44 GHz, 9.6-10.402 GHz and 16-16.702 GHz to conduct radar and sensor tests.
Fixed & Mobile: Vandalia (Fayette), IL; FORT LEONARD WOOD (Pulaski), MO; Saint Louis (Saint Louis), MO from surface to 10000 feet
- **WE2XIV COLLEGE OF MARINE STUDIES, UNIVERSITY OF DELAWARE 0279-EX-PL-2006**
New experimental to operate on various frequencies between 25 MHz and 26 MHz for study of ocean surface currents.
Mobile: Within a 5 km radius of Cape Henlopen, DE
- **WE2XGW DUPAGE PUBLIC SAFETY COMMUNICATIONS 0653-EX-PL-2006**
New experimental to operate on select frequencies from 27.29-806 MHz for testing public safety radio equipment.
Mobile: Glendale Heights (Du Page), IL
- **WE2XDH NORTHROP GRUMMAN SYSTEMS CORPORATION 0534-EX-PL-2006**
New experimental to operate on 143 MHz, 150.65 MHz, 2371.5 MHz and 2378.5 MHz for testing remote ordinance neutralization under contract.
Mobile: Clinton, TN
- **WE2XIX PSEG SERVICES CORPORATION 0464-EX-PL-2007**
New experimental to operate in 150-174 MHz and 174-216 MHz for evaluating communications inside and around a nuclear reactor.
Fixed & Mobile: Hancocks Bridge (Salem), NJ, primarily within the Salem Generating Station reactor buildings
- **WE2XJD SOUTHERN COMPANY SERVICES, INC. 0466-EX-PL-2007**
New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
Fixed & Mobile: Waynesboro (Burke), GA; Columbia (Houston), AL
- **WE2XJO STP NUCLEAR OPERATING COMPANY 0467-EX-PL-2007**
New experimental to operate in 150-216 MHz, 470-608 MHz and 614-806 MHz for evaluating communications inside and around a nuclear reactor.
Mobile: South Texas Project Electric Generating Station, Bay City, TX

- **WE2XJF ENERGY NORTHWEST 0484-EX-PL-2007**
 New experimental in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Fixed & Mobile: Richland (Benton), WA
- **WE2XJG FLORIDA POWER AND LIGHT COMPANY 0485-EX-PL-2007**
 New experimental to operate in 150-216 MHz, 470-608 MHz and 614-806 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Palo (Linn), IA
- **WE2XIW AMERGEN ENERGY COMPANY 0497-EX-PL-2007**
 New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Three Mile Island Nuclear Station, Middletown (Dauphin), PA, primarily indoor use
- **WE2XJH EXELON GENERATION COMPANY, LLC 0498-EX-PL-2007**
 New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: LaSalle Nuclear Station, Marseilles, IL
- **WE2XJI FLORIDA POWER AND LIGHT COMPANY 0499-EX-PL-2007**
 New experimental to operate in 150-216 MHz, 470-608 MHz and 614-740 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Seabrook Nuclear Station, Seabrook, NH
- **WE2XJB NEBRASKA PUBLIC POWER DISTRICT 0504-EX-PL-2007**
 New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Fixed & Mobile: Brownville (Nemaha), NE
- **WE2XJJ SOUTHERN COMPANY SERVICES, INC. 0507-EX-PL-2007**
 New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Fixed & Mobile: Baxley (Appling), GA
- **WE2XJM WISCONSIN ELECTRIC POWER COMPANY 0508-EX-PL-2007**
 New experimental to operate in 150-216 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Two Creeks (Manitowoc), WI
- **WE2XJN FELHC INC 0520-EX-PL-2007**
 New experimental to operate in 150-216 MHz, 470-608 MHz and 614-806 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Davis Besse Nuclear Station, Oak Harbor, OH
- **WE2XHK PROGRESS ENERGY 0330-EX-PL-2007**
 New experimental to operate in 150-806 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Shearon Harris Nuclear Plant, New Hill, NC
- **WE2XHS AMEREN SERVICES CO., AS AGENT FOR UNION ELECTRIC CO. D/B/A AMERENUE 0335-EX-PL-2007**
 New experimental to operate in 150.8-746 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Callaway Nuclear Plant, Fulton (Callaway), MO, primarily indoor use
- **WE2XIN MICRO SYSTEMS ENGINEERING, INC. 0120-EX-PL-2007**
 New experimental to operate in 401-405.65 MHz for testing RF channel characteristics for Medical Implant Communications.
 Mobile: Yakima, WA
- **WE2XH BLUE ORIGIN, LLC 0266-EX-PL-2007**
 New experimental to operate on 421 MHz for space vehicle research.
 Mobile: Van Horn (Culberson), TX; Within a 24 mile radius of 31 25' 22.99" N, 104 45' 26.01" W
- **WE2XLE FLORIDA POWER AND LIGHT COMPANY 0550-EX-PL-2007**
 New experimental to operate in 470-608 MHz and 614-760 MHz for evaluating communications inside and around a nuclear reactor.
 Mobile: Two Creeks (Manitowoc), WI

- **WE2XLC GEORGIA INSTITUTE OF TECHNOLOGY 0703-EX-PL-2006**
 New experimental to operate in 476-488 MHz, 494-500 MHz, 554-566 MHz and 656-662 MHz to measure the effect of low-power radio signal transmissions on incumbent television and wireless microphones.
 Fixed: Atlanta (Fulton), GA
- **WE2XJV SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT 0432-EX-PL-2007**
 New experimental to operate on 915 MHz for wind profiler radar for meteorological studies.
 Fixed: Visalia, CA
- **WE2XJW MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0131-EX-PL-2007**
 New experimental to operate in 1531.375-1531.425 MHz for propagation testing using terrestrial facilities.
 Mobile: Ellenwood (Clayton), GA
- **WE2XIF MOBILE SATELLITE VENTURES SUBSIDIARY LLC 0017-EX-PL-2007**
 New experimental to operate in 1532.34-1633.93 MHz to perform tests to measure transmitter effects on receivers in close proximity.
 Fixed: Reston (Fairfax), VA
- **WE2XIB MID-SOUTH AVIONICS, INC. 0035-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for testing radionavigation satellite service (RNSS) equipment and systems.
 Fixed: Tuscaloosa (Tuscaloosa), AL
- **WE2XIL TROXLER ELECTRONIC LABORATORIES, INC. 0212-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for GPS re-radiator.
 Fixed: Research Triangle Park (Durham), NC
- **WE2XIK SIKORSKY AIRCRAFT, DEVELOPMENT FLIGHT TEST 0336-EX-PL-2007**
 New experimental to operate on 1575.42 MHz for GPS re-radiator.
 Fixed: West Palm Beach (Palm Beach), FL
- **WE2XIH BLUE ORIGIN, LLC 0265-EX-PL-2007**
 New experimental to operate on 2069 MHz, 2202 MHz and 2250 MHz for launch vehicle research.
 Mobile: Van Horn (Culberson), TX; Downlink: Within a 5 mile radius of 31 25' 22.99" N, 104 45' 26.01" W at an altitude varying from 30 feet AGL to 350,000 feet AGL
- **WE2XGX BRN PHOENIX INC. 0668-EX-PL-2006**
 New experimental to operate in 2155-2175 MHz for testing an OFDM broadband wireless system based on the mobile WiMAX standard.
 Mobile: Santa Clara (Santa Clara), CA
- **WB2XIE MOTOROLA INC. 0184-EX-PL-2007**
 New experimental to operate on 2441.75 MHz for direct sequence spread spectrum propagation testing.
 Mobile: Fort Lauderdale, FL
- **WE2XIQ LOCKHEED MARTIN CORPORATION 0100-EX-PL-2007**
 New experimental to operate in 3100-3500 MHz to test a counter fire target acquisition and tracking radar under contract.
 Mobile: Electronics Park, Liverpool (Onondaga), NY
- **WE2XHQ MIDWAY ELECTRONICS AND COMMUNICATIONS 0070-EX-PL-2007**
 New experimental to operate in 3400-3500 MHz for testing the capability and performance of cutting-edge broadband wireless equipment.
 Fixed: Rensselaer (Jasper), NJ
- **WE2XJS LOCKHEED MARTIN CORPORATION 0114-EX-PL-2007**
 New experimental to operate in 7900-8600 MHz for testing a radar's ability to detect wind shear and micro-bursts.
 Mobile: Norman, OK, at temporary fixed locations

- **WE2XIP VISTA RESEARCH, INC. 0463-EX-PL-2007**
 New experimental to operate in 9300-9500 MHz for test of land-based furuno radar.
 Mobile: Salinas (Monterey), CA
- **WE2XJU ORBITAL SCIENCES CORPORATION 0140-EX-PL-2007**
 New experimental to operate in 11202.125-14500 MHz for testing satellite command and control systems.
 Fixed: Dulles (Loudoun), VA
- **WE2XDW THE BOEING COMPANY 0339-EX-PL-2006**
 New experimental to operate on 13450 MHz for flight testing synthetic aperture radar from ground to 10000 feet
 Fixed & Mobile: Vandalia (Fayette), IL; FORT LEONARD WOOD (Pulaski), MO; Saint Louis (Saint Louis), MO from surface to 10000 feet
- **WE2XKA GENERAL DYNAMICS 0198-EX-PL-2007**
 New experimental to operate on 15003.40 MHz to determine potential interference issues on a Ku band antenna when it is used on a space vehicle.
 Fixed: Gilbert (Maricopa) AZ
- **WE2XIO NORTHROP GRUMMAN SYSTEMS CORPORATION 0103-EX-PL-2007**
 New experimental to operate in 16000-17400 MHz for testing an electronically scanned array radar under DARPA contract.
 Mobile: Linthicum (Anne Arundel), MD, at a maximum altitude of 20000 feet
- **WE2XIG NEXTLINK WIRELESS, INC. 0437-EX-PL-2007**
 New experimental to operate in 25285-26140 MHz for testing Spectrum Radio Systems in a rugged metro environment.
 Fixed: Philadelphia, PA
- **WE2XJQ MASSACHUSETTS, UNIVERSITY OF 0147-EX-PL-2007**
 New experimental to operate in 93.8-94.4 GHz for researching weather echo with a weather radar.
 Fixed: Sunderland (Franklin), MA